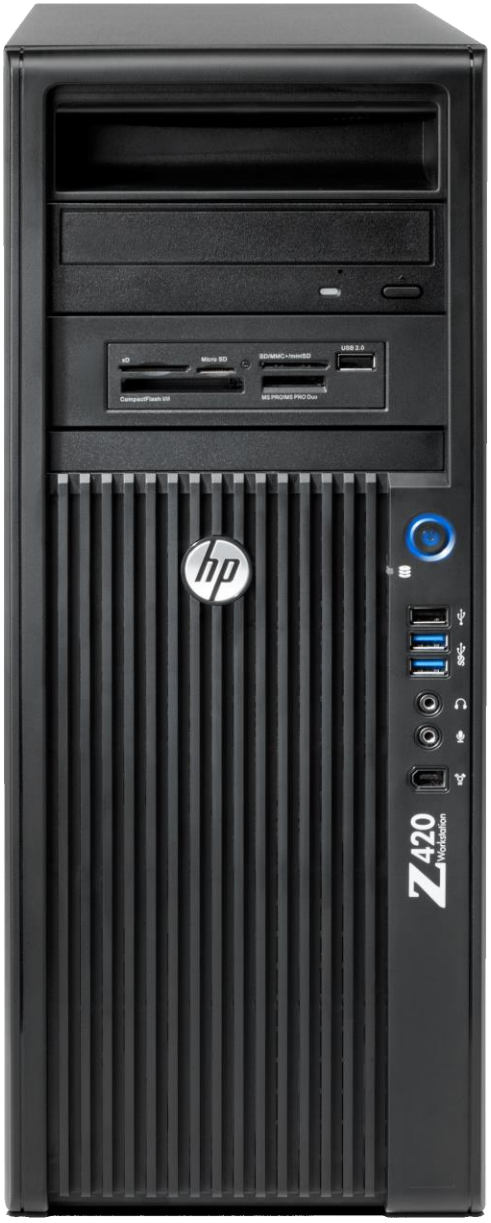
Avid Configuration Guidelines
HP Z420 Six-Core CPU Workstation
Media Composer 6.x Symphony 6.x NewsCutter 10.x and later



Joe Conforti – Avid Technology – Aug 8th , 2014

Z420 Rev D

1.) HP Z420 AVID Qualified System Specification:

Z420 / AVID Qualified Operating System:

Microsoft® Windows 7 Professional 64-bit Edition with Service Pack 1

Microsoft® Windows 8 Professional / Enterprise 64-bit Edition

Microsoft® Windows 8.1 Professional / Enterprise 64-bit Edition

Z420 Hardware Configuration

Supported CPU

Supported new Gen V2 CPU

Single Intel® 6-Core Xeon® E5-1650 V2 Processor @ 3.5GHz 12MB cache / 1866MHz memory

Supported original Gen CPU

Single Intel® 6-Core Xeon® E5-1650 Processor @ 3.2GHz 12MB cache / 1600MHz memory

Important Note regarding ISIS Connectivity based on CPU / processor generation:

- The Z420 has 1 embedded NIC port 82579LM.
- If your Z420 is configured with the new generation V2 3.5GHz CPU then the embedded 82579LM NIC port **can** be used for ISIS 5000 / 7000 connectivity.
- If your Z420 is configured with the original generation 3.2GHz CPU then the embedded 82579LM NIC port **cannot** be used for ISIS 5000 / 7000 connectivity.
- This is covered in more detail in the Embedded NIC / ISIS Connectivity section of this document.

Supported Video Card

- NVIDIA Quadro 2000 1GB PCI-e video board
- NVIDIA K2000 2GB PCI-e video board

System Disk Drive - 1TB (minimum recommended) SATA-II 3Gb/s 7200RPM

Standard AVID memory configuration: 8GB (4 x 2GB) DDR3 1866 or 1600 ECC memory –
Gen V2 CPU uses 1866MHz memory, original Gen CPU uses 1600MHz memory
(Requires four 2GB DIMMs, DIMM sizes cannot be mixed sizes)
2GB memory modules must be installed in the following memory slots:
CPU0-DIMM1, CPU0-DIMM3, CPU0-DIMM6, CPU0-DIMM8

Optional 16GB memory configuration:

Optional AVID memory configuration: 16GB (8 x 2GB) DDR3 1866 or 1600 ECC memory –
Gen V2 CPU uses 1866MHz memory, original Gen CPU uses 1600MHz memory
(Requires eight 2GB DIMMs, DIMM sizes cannot be mixed sizes)
2GB memory modules must be installed in the following memory slots:
CPU0-DIMM1, CPU0-DIMM2, CPU0-DIMM3, CPU0-DIMM4
CPU0-DIMM5, CPU0-DIMM6, CPU0-DIMM7, CPU0-DIMM8

Memory configuration constraints

- Memory configurations which use “unbalanced” memory configuration are not recommended or formally supported in AVID environments. Memory configurations which mix and match memory module sizes and locations will result in a poor performing, non-optimal operating environment.

2.) Qualified Operating Systems, Avid Client Editing Applications, Hardware and Shared-Storage support for the HP Z420:

Media Composer / Symphony 5.5.x , NewsCutter 9.5.x or later
Microsoft® Windows 7 Professional 64-bit Edition with SP1 (SP1 required)

Media Composer / Symphony 7.x , NewsCutter 11.x or later
Microsoft® Windows 7 Professional 64-bit Edition with SP1 (SP1 required)
Microsoft® Windows 8.x Professional / Enterprise 64-bit Edition

- **Not Supported – Any version of Microsoft® Windows XP or Vista**
- **Not Supported - Microsoft® Windows 7 – any 32-bit version, or Home or Ultimate**

Note regarding Service packs:

As of this writing Service Pack 1 is the current Service Pack release for Win7 and is required for Avid software. As future Service Packs are released Avid will evaluate and announce formal support when testing is completed.

3.) Qualified O.S., Hardware and shared storage supported:

	Qualified / Supported
Nitris DX / Mojo DX	Yes
3rd Party Qualified Hardware	See release notes and Avid website for information regarding supported 3rd party hardware (vendor qualified)
ISIS 1Gb Ethernet Client	ISIS 5500 / 5000 , 7500 / 7000 v4.0
ISIS Hi-res (single10Gbit) client Myricom Single-Port 10Gbit	ISIS 5500 / 5000 , 7500 / 7000 v4.0
ISIS Ultra Hi-res client (dual 10Gbit) Myricom Dual-Port 10Gbit	ISIS 5500 / 5000 v4.7
Qualified Operating System	Win 7 Pro 64-bit with SP1 Win 8 64bit Pro or 64-bit Enterprise
1394 Adrenaline DNA	**N/A Not Supported**
1394 Mojo-SDI DNA	**N/A Not Supported**
1394 Mojo-Analog DNA	**N/A Not Supported**

AVID qualified HBA info

AVID qualified HBA	AVID Part Number	Slot Location	Function
Avid HIB, DX Interface HBA**	Active: 7030-30048-02 Active: 7030-30048-01 Active: 7030-20084-01 Passive: 7030-30021-01	#3	Avid DX Hardware Interface HBA
HP Thunderbolt-2 PCIe I/O HBA	Not stocked by AVID HP Option F3F43AA	#3	Thunderbolt devices including video I/O devices, storage solutions etc. http://www8.hp.com/h20195/v2/GetDocument.aspx?docname=c04203028
Vendor qualified 3rd party hardware interface requiring: x4 PCI-E or lesser interface	Not stocked by AVID	#3	Vendor qualified 3rd party hardware interface. See release notes and Avid website for information regarding supported 3rd party hardware
Intel PRO 1000 PT	7030-20139-01	#4	Shared Storage: Unity ISIS Copper Gb-Ethernet Dual Gb ISIS Connectivity. Required only with original generation processor or if a dual 1Gb ISIS connection is required. If your Z420 has the new generation V2 CPU, and only a **single** 1Gb connection is needed for ISIS then the embedded 82579LM NIC can be used and this HBA is not required.
Intel i350-T2 – Dual Gb NIC	Not stocked by AVID	#4	Shared Storage: Unity ISIS Copper Gb-Ethernet Dual Gb ISIS Connectivity. Required only with original generation processor or if a dual 1Gb ISIS connection is required. If your Z420 has the new generation V2 CPU, and only a **single** 1Gb connection is needed for ISIS then the embedded 82579LM NIC can be used and this HBA is not required.
Intel PRO 1000 PF - ISIS	Not stocked by AVID	#4	Shared Storage: Unity ISIS Optical Gb-Ethernet
Myricom 10G-PCIE-8B-S	7030-30041-01	#4	Shared Storage: Unity ISIS 10Gb-Ethernet for Hi-Res client (ISIS 5000 / 7000)
Myricom Dual-Port 10G-PCIE2-8B2-2S	Not stocked by AVID	#4	Shared Storage: Unity ISIS Dual 10Gb-Ethernet for Client v4.7 only (ISIS 5500 / 5000 only) Requires driver minimum 1.1.13 or 1.1.14
Atto R680	Not stocked by AVID	#5	Local SAS Storage Support – Avid VideoRAID ST (5-bay) Xtore StudioRAID 5Ti (5-bay)
LSI 9200-8e SAS controller	7030-30036-01	#5	Local SAS Storage Support – Xtore StudioRAID 16Re (16-bay) chassis Xtore StudioRAID 5Te (5-bay) chassis
Vendor qualified 3rd party hardware interface requiring: x8 PCI-E or greater interface	Not stocked by AVID	#4 or #5	Vendor qualified 3rd party hardware interface. See release notes and Avid website for information regarding supported 3rd party hardware
HP Z Turbo Drive PCIe Solid State Storage	Not stocked by AVID	#4 and / or #5	See HP link for config info: http://h20195.www2.hp.com/v2/GetPDF.aspx/4AA5-1923ENW

** ***Avid DX Interface HBA Support Note: (See reference pictures on page 7 of this guide).***

All 4 versions of the DX interface HBA are supported on the Z420 with Media Composer / Symphony and NewsCutter

1) Active DX interface HBA 7030-30048-02
2) Active DX interface HBA 7030-30048-01
3) Active DX interface HBA 7030-20084-01
4) Passive DX interface HBA 7030-30021-01

4.) Slot Configuration:

Slot Configuration Information			
Slot #	Electrical	Mechanical	
1	x1 PCI-E Gen 2	x4 Open-ended Connector	Not recommended for use in Avid Configurations
2	x16 PCI-E Gen 3 (225Watts)	x16	Graphics Card: Nvidia K2000 2GB PCI-e Nvidia Quadro 2000 1GB PCI-e
3	x4 PCI-E Gen 2	x8 Open-ended Connector	Avid HIB, DX Interface HBA Active: 7030-30048-01 , 7030-30048-02 & 7030-20084-01 Passive: 7030-30021-01 **or** HP Thunderbolt-2 PCIe I/O HBA , HP Option F3F43AA http://www8.hp.com/h20195/v2/GetDocument.aspx?docname=c04203028 **or** Vendor Qualified 3rd Party Hardware PCI-e Interface requiring: x4 PCI-E or lesser interface
4	x8 PCI-E Gen 3	x8 Open-ended Connector	Shared Storage Controllers **required** for ISIS 5000 / 7000: Intel PRO 1000 PT Intel PRO 1000 PF Intel i350-T2 Myricom Single Port 10G-PCIE-8B-S Myricom Dual-Port 10G-PCIE2-8B2-2S **(ISIS 5500 / 5000 v 4.7 or later)** **or** HP Z Turbo Drive PCIe Solid State Storage HBA **or** Vendor Qualified 3rd Party Hardware PCI-e Interface requiring: x8 PCI-E or greater interface
5	x16 PCI-E Gen 3	x16	Local SAS Storage Controllers: Atto R680 LSI 9200-8e **or** HP Z Turbo Drive PCIe Solid State Storage HBA **or** Vendor Qualified 3rd Party Hardware PCI-e Interface requiring: x8 PCI-E or greater interface
6	PCI-E 32bit /33MHz	PCI 32/33	**Not recommended for use** Shares the same PCI bus as the embedded 1394a controller Will cause bus contention with embedded 1394a
	Embedded Intel 82579LM Gb NIC	PCI-E x1 Gen 1	If your Z420 has the new generation V2 CPU, then the embedded 82579LM system NIC can be used for ISIS 5000 / 7000 connectivity. **If your Z420 has the original generation CPU, then the embedded 82579LM system cannot be used for ISIS 5000 / 7000 connectivity.**

5.) Use of embedded NIC port for ISIS connectivity **Important Information**

The Z420 has a single embedded Intel NIC port (82579LM).

- If your Z420 has the new generation V2 3.5GHz CPU, and requires only a **single** 1Gb connection for ISIS then the embedded 82579LM NIC can be used.

- **If your Z420 has the original generation 3.2GHz CPU, then the embedded 82579LM system cannot be used for ISIS 5000 / 7000 connectivity. For this configuration an add-in NIC HBA (Intel i350-T2 or Intel Pro 1000 PT) is required for ISIS connectivity.**

- Understandably, if a dual 1Gb connection is required for ISIS connectivity then an add-in NIC HBA (Intel i350-T2 or Intel Pro 1000 PT) is required since the Z420 has only one embedded NIC port.

For proper operation and connectivity of the Intel NIC(s) with ISIS the following settings are required:

1. Under the performance settings, change the following parameters:
   - Receive Buffers to 1024
   - Transmit Buffers to 1024

2. Disable the windows firewall.

6.) Utilization of the Z420 embedded (on-board) 1394 ports for Camera / Deck / Disk Drive support

Media Composer / Symphony 6.0 and NewsCutter 10 and later do not support Avid 1394 hardware such as Adrenaline and 1394 Mojo-SDI. This simplifies utilization of the Z420 embedded 1394 ports. The embedded 1394 ports can and should be used for all 1394 Camera / Deck / Disk Drive connectivity for all configurations running Media Composer / Symphony 6.0 and NewsCutter 10.

7.) Various Configuration Details:

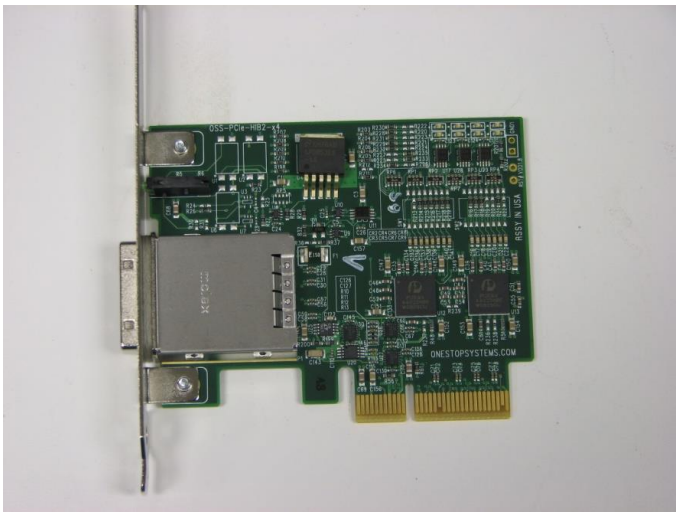
A.) D/X hardware configs –

All 4 versions of the DX interface HBA are supported for the Z420 with Media Composer / Symphony and NewsCutter

1) Active DX interface HBA 7030-30048-02
2) Active DX interface HBA 7030-30048-01
3) Active DX interface HBA 7030-20084-01
4) Passive DX interface HBA 7030-30021-01

Active DX interface HBA 7030-30048-01

Active DX interface HBA 7030-20084-01



Passive DX interface HBA 7030-30021-01

Active DX interface HBA 7030-30048-02

B.) Required system BIOS settings for AVID environments:

Note: *The HP Thunderbolt I/O HBA and the HP Z Turbo Drive require minimum BIOS ver 3.69 or later*

Hyper-Threading Setting:

Please Note: *CPU Hyper-threading should be enabled in all configurations per the chart below. It is currently enabled by default by HP*

	Hyper-Threading Setting
Software Version	6-core CPU
Media Composer v5.5.x , v6.x , v7.x Symphony v5.5.x , v6.x , v7.x NewsCutter v9.5.x , v10.x , v11.x	Enabled (Mandatory)

Z420 Required system BIOS changes:

1. Verify CPU Processors are set to Hyper-Threading –
2. Set NUMA – Disable
3. Set Runtime Power Management – Disable
4. Set Idle Power Savings - Normal

Z420 Optional system BIOS change:

1. Set Intel Turbo Mode** – Disable

** Only required if connecting USB audio I/O devices. This setting will eliminate any audio "motor-boating" or audio "popping" which may be experienced with USB audio I/O devices.

Set Z420 Required system BIOS changes:

- During boot up press F10 at the HP splash screen to invoke Set Up.

- Select the Advanced tab
- Select Device Options <Enter>
- Select Hyper-Threading
- Verify setting is Enable
    - If Hyper-Threading is set for Disable then it must be changed to Enable
- Select NUMA
    - Change this setting from Enable to Disable
- Hi F10 to save the Hyper-Threading / NUMA settings

- Select the Power tab
- Select OS Power Management <return>
- Select Runtime Power Management
- Default setting is Enable
    - Change this setting from Enable to Disable

- Select Idle Power Savings
- Default setting is Extended
    - Change this setting from Extended to Normal

- Hi F10 to save the Runtime Power Management and Idle Power Savings settings

- Press F10 twice to Save
- Save Changes and Exit
- System will Reboot

Set Z420 Optional system BIOS setting: ** Only required if connecting USB audio I/O devices.

- Select the Power tab
- Select OS Power Management <Enter>
- Select Turbo Mode
- Default setting is Enable
    - Change this setting from Enable to Disable
- Press F10 twice to Save
- Save Changes and Exit

C.) Nvidia Qualified Driver:

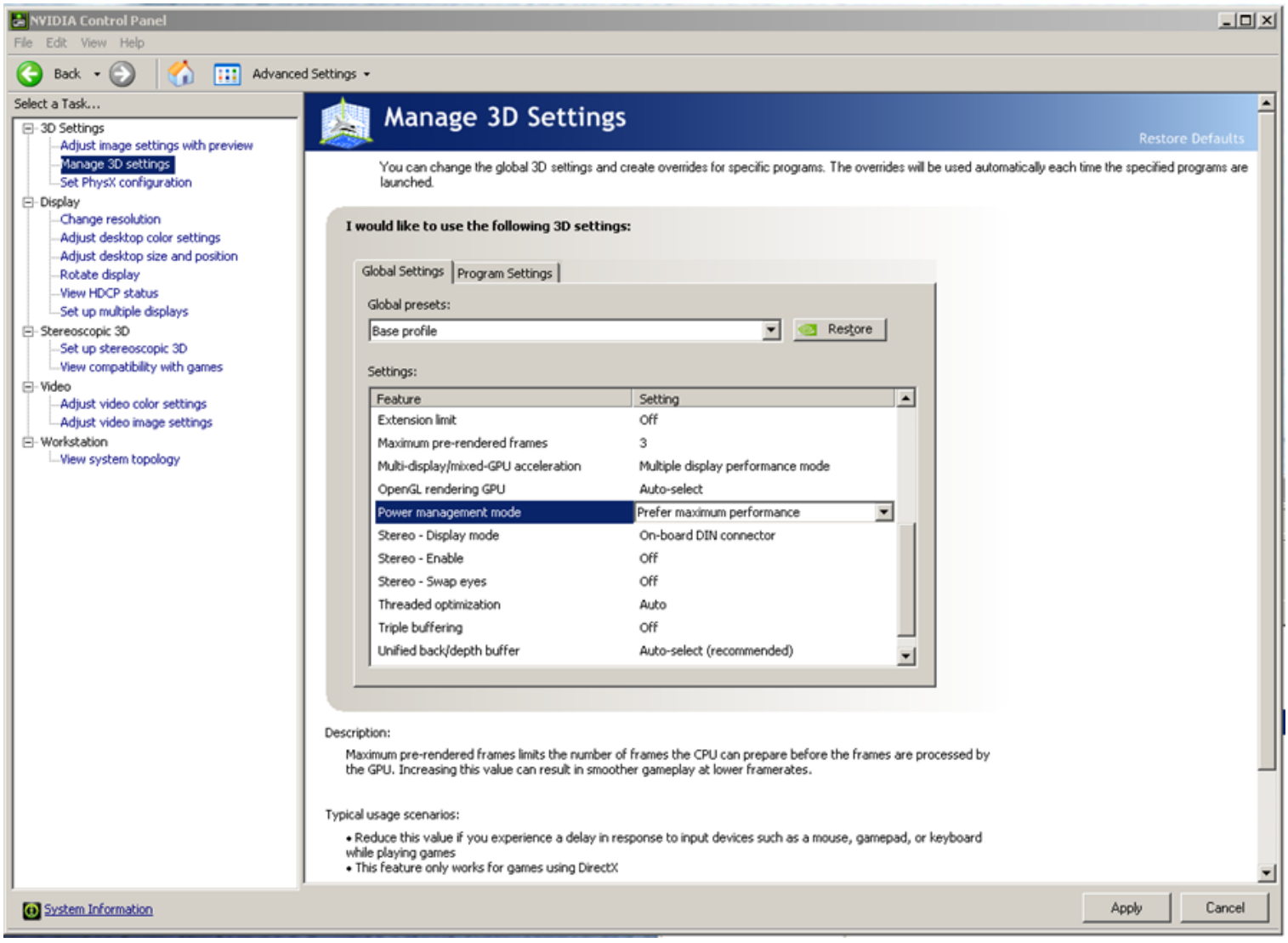
Nvidia qualified drivers

AVID Software	Version(s)	Nvidia Driver required	Nvidia GPU
Media Composer / Symphony NewsCutter	7.0 and later 11.0 and later	331.65 (mandatory for Win8.1) 320.78 (Win7 and Win8)	K2000 Quadro 2000
Media Composer / Symphony NewsCutter	6.0.3.4 and later 6.5.2.1 and later 5.5.3.7 and later (for version 5.5.x) 10.0.3.4 and later 10.5.2.1 and later	310.90	K2000 Quadro 2000
Media Composer / Symphony NewsCutter	6.0 and later 10.0 and later	275.89	Quadro 2000
Media Composer / Symphony NewsCutter	5.5.3.6 and later 9.5.3.6 and later	259.77	Quadro 2000

After installation of the AVID software the supported Nvidia driver can be found in the following directory:
Program Files / Avid / Utilities / Nvidia

Set optimized Nvidia driver settings for Avid editing environments:

1. See picture below
2. Right-Click on the desktop and select Nvidia Control Panel
3. Select Manage 3D Settings
4. Select “Global Settings” Tab
5. Under the “Global Settings” tab select “Base Profile”.
6. Scroll down and locate the “Power Management Mode” feature. The default setting is “Adaptive”. For the “Power management mode” feature, select “Prefer maximum performance” as shown in the picture below.



7. Depress the “Apply” button.

D.) Nvidia Quadro GPU monitor connectivity:

The Nvidia Quadro 2000 and K2000 graphics card have a single DVI port and two Display-Port ports

*(Important: Display-ports **are not** HDMI ports; at first glance they do look very similar to HDMI ports)*

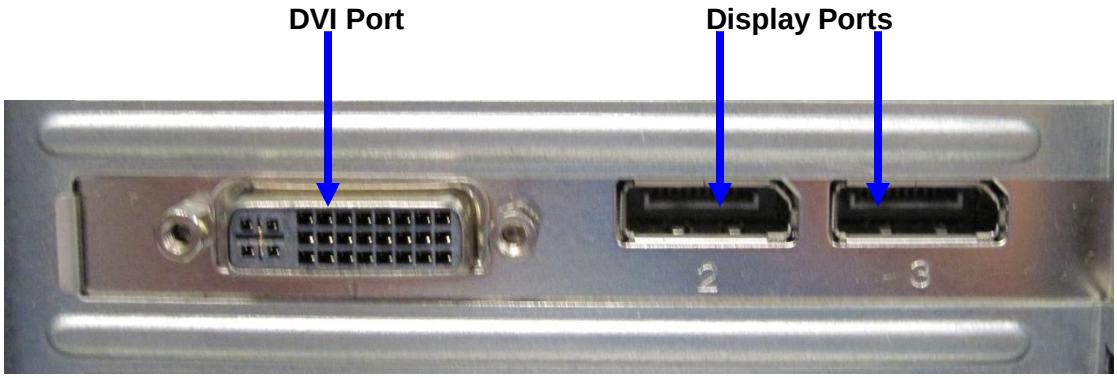
(Please Note: Only two of the three video ports can simultaneously be used. Connecting to all three video ports at the same time will result in non-functioning video output from the Nvidia GPU video card.)

The HP Z420 includes one Display-Port-to-DVI adapter. HP P/N 481409-002

For dual monitor connectivity:

1. Use the DVI port and one Display-Port (Display-Port connection can be native display-port to monitor via display-port connection, or use the display-port-to-DVI-adapter supplied with the system to connect to a native DVI monitor).

2. Or use two Display-Ports (Requires monitors with native display-port connections, two display-port to DVI adapters are not recommended when using dual display-port connections).



E.) Serial Port Deck Control:

Serial Port Deck Control:

The HP Z420 workstation does not have an embedded serial port. Serial port deck control can be established via two methods (both of which have been qualified by Avid and will maintain frame accuracy in Avid environments)

1. Addenda model **RS-USB / 4** direct USB-to-RS422 serial adapter. This is a simple device which connects directly from a USB port of the Z420 directly to the RS422 port of a deck.
   http://www.addenda.com/addenda-elect/products/rsUSB4.php

2. Combination of a Keyspan (Tripp-Lite) Model USA-19HS USB-to-serial-port adapter with Addenda Rosetta Stone model RS – 2/8 RS232-to-RS422 converter

   - Keyspan (Tripp-Lite) Model USA-19HS (AVID P/N 7080-20013-01)
     http://www.tripplite.com/en/products/model.cfm?txtSeriesID=518&EID=13384&txtModelID=3914
   - Addenda Rosetta Stone (or equivalent) model RS – 2/8 RS232-to-RS422 converter (AVID P/N 7070-00507-01)
     http://www.addenda.com/addenda-elect/products/rs28.php

To connect the Keyspan 19HS / Addenda RS -2/8 combination:

- Install the Keyspan 19HS driver before plugging the device into a Z420 USB port.
- Once the Keyspan 19HS driver is installed then plug the Keyspan 19HS into a Z420 USB port.
- The Keyspan 19HS will now show up in device driver.
- Using a serial cable, connect the 9-pin serial port of the Keyspan 19HS USB adapter to the port of the Addenda marked RS232 from PC
- Using a 2nd serial port cable connect the port of the Addenda marked “RS422 to VTR” to the deck control serial port of the deck.

F.) O.S. setting recommendations for optimum performance with Avid Editing applications:

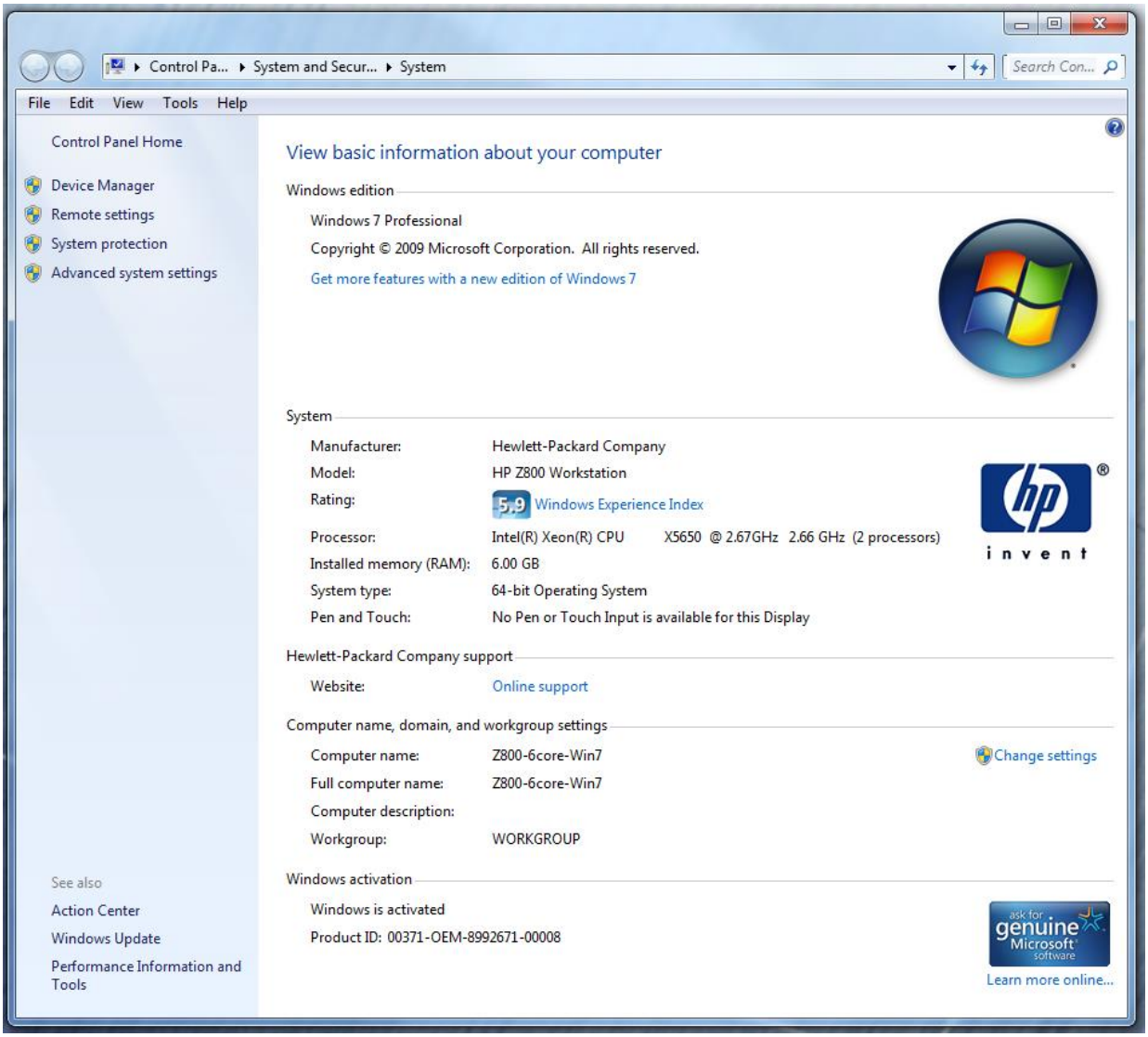
The following links provide O.S. setting suggestions for ensuring optimum performance when working with your Avid editing application with a Windows operating system.

- Optimizations for Video Editors

  http://avid.custkb.com/avid/app/selfservice/search.jsp?DocId=390339

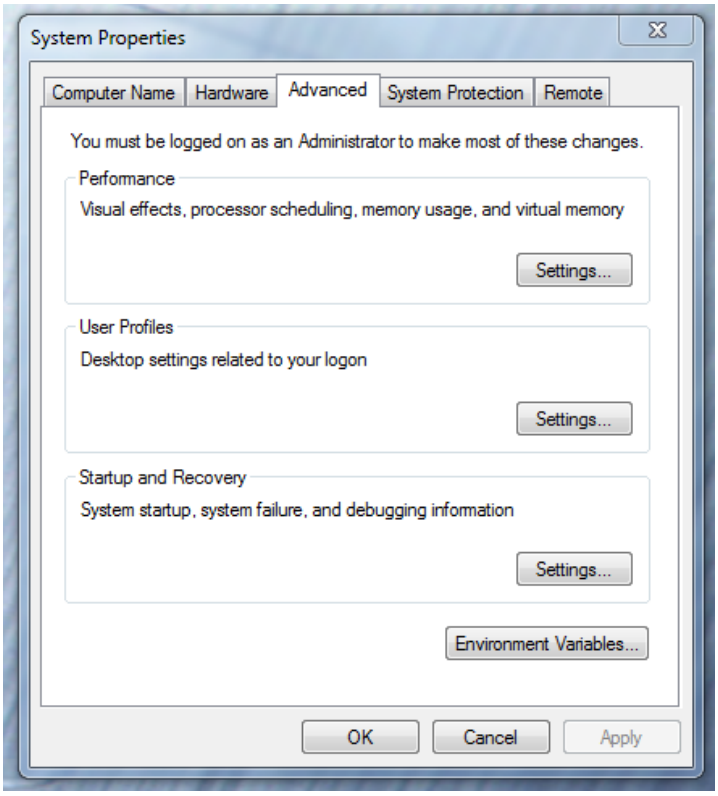
G.) Set Windows “Visual Effects” for “best performance”:

1. Right-Click on My Computer / Computer
2. Select Properties
3. The screen below will be displayed:

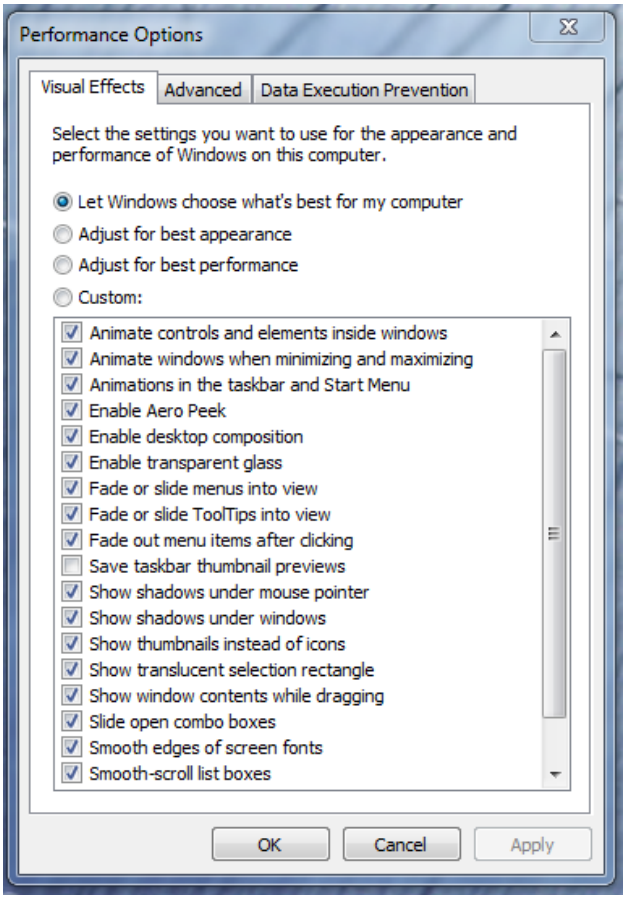

Control Pa... ▸ System and Secur... ▸ System
Search Con...
File Edit View Tools Help
Control Panel Home
Device Manager
Remote settings
System protection
Advanced system settings
View basic information about your computer
Windows edition
Windows 7 Professional
Copyright © 2009 Microsoft Corporation. All rights reserved.
Get more features with a new edition of Windows 7
System
Manufacturer: Hewlett-Packard Company
Model: HP Z800 Workstation
Rating: 5.9 Windows Experience Index
Processor: Intel(R) Xeon(R) CPU X5650 @ 2.67GHz 2.66 GHz (2 processors)
Installed memory (RAM): 6.00 GB
System type: 64-bit Operating System
Pen and Touch: No Pen or Touch Input is available for this Display
invent
Hewlett-Packard Company support
Website: Online support
Computer name, domain, and workgroup settings
Computer name: Z800-6core-Win7
Full computer name: Z800-6core-Win7
Computer description:
Workgroup: WORKGROUP
Change settings
Windows activation
Windows is activated
Product ID: 00371-OEM-8992671-00008
ask for genuine Microsoft software
Learn more online...
See also
Action Center
Windows Update
Performance Information and Tools

4. On the left side of the screen above, locate and select “Advanced system settings”

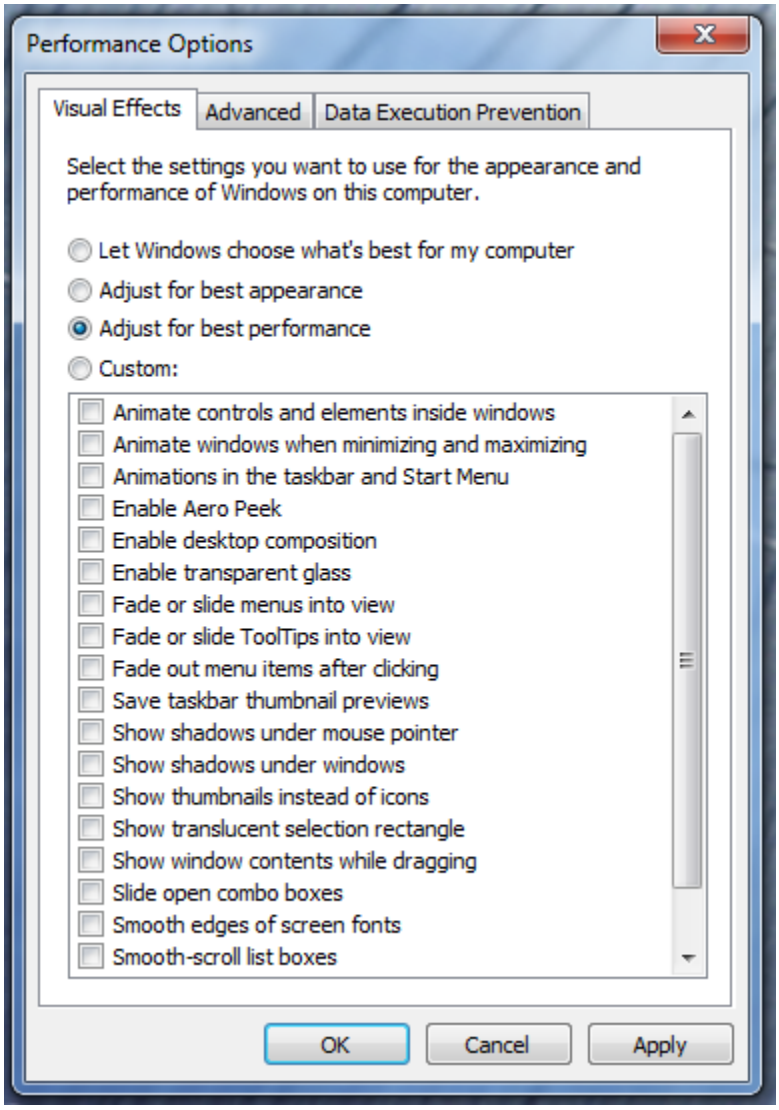
5. The System properties window will be displayed. (Picture below).



6. Under the “Advanced” tab depress the “Settings...” button for performance.
7. The “performance Options” window will be displayed. (Picture below).


Performance Options
Visual Effects
Advanced
Data Execution Prevention
Select the settings you want to use for the appearance and performance of Windows on this computer.
Let Windows choose what's best for my computer
Adjust for best appearance
Adjust for best performance
Custom:
Animate controls and elements inside windows
Animate windows when minimizing and maximizing
Animations in the taskbar and Start Menu
Enable Aero Peek
Enable desktop composition
Enable transparent glass
Fade or slide menus into view
Fade or slide ToolTips into view
Fade out menu items after clicking
Save taskbar thumbnail previews
Show shadows under mouse pointer
Show shadows under windows
Show thumbnails instead of icons
Show translucent selection rectangle
Show window contents while dragging
Slide open combo boxes
Smooth edges of screen fonts
Smooth-scroll list boxes
OK
Cancel
Apply

8. Under the “Visual Effects” tab select the “Adjust for best performance” selection. (Picture below).


Performance Options
Visual Effects
Advanced
Data Execution Prevention
Select the settings you want to use for the appearance and performance of Windows on this computer.
Let Windows choose what's best for my computer
Adjust for best appearance
Adjust for best performance
Custom:
Animate controls and elements inside windows
Animate windows when minimizing and maximizing
Animations in the taskbar and Start Menu
Enable Aero Peek
Enable desktop composition
Enable transparent glass
Fade or slide menus into view
Fade or slide ToolTips into view
Fade out menu items after clicking
Save taskbar thumbnail previews
Show shadows under mouse pointer
Show shadows under windows
Show thumbnails instead of icons
Show translucent selection rectangle
Show window contents while dragging
Slide open combo boxes
Smooth edges of screen fonts
Smooth-scroll list boxes
OK
Cancel
Apply

9. Depress the “Apply” button
10. Reboot Windows
11. Required Windows visual performance settings for Avid environments are now complete.

H.) Intel NIC Port(s) for ISIS 5000 / 7000 connectivity: Required for Gb ISIS connectivity:

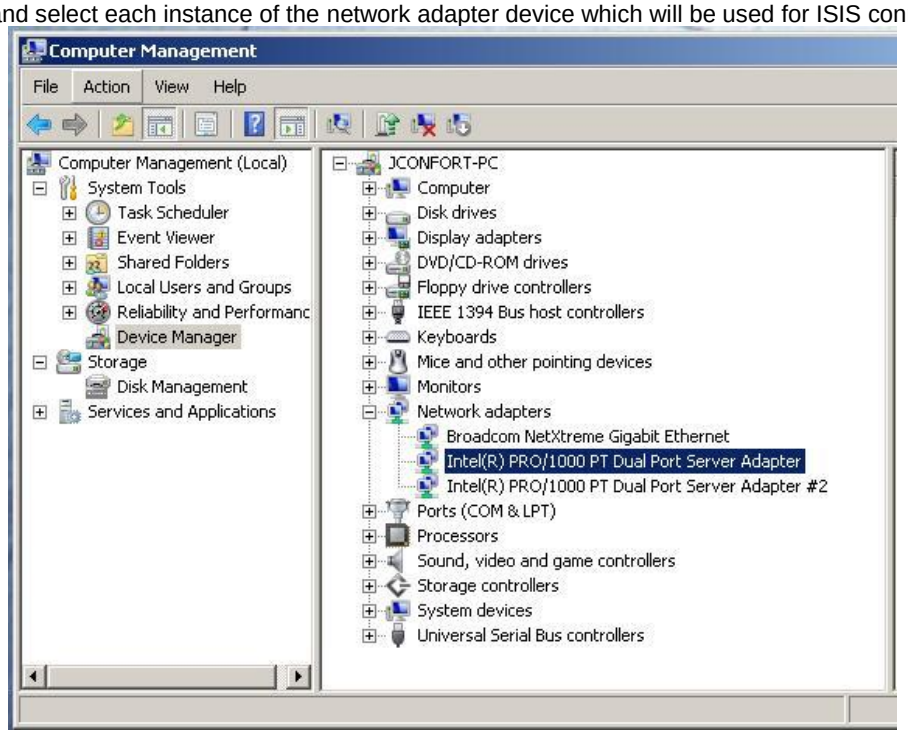
Embedded 82579LM port / Intel PRO 1000 Dual Gb HBA / Intel i350-T2 Dual Gb NIC HBA

For proper operation and connectivity of any Intel NIC port used with ISIS the settings below are required.
Example below is for the Intel PRO 1000 PT.

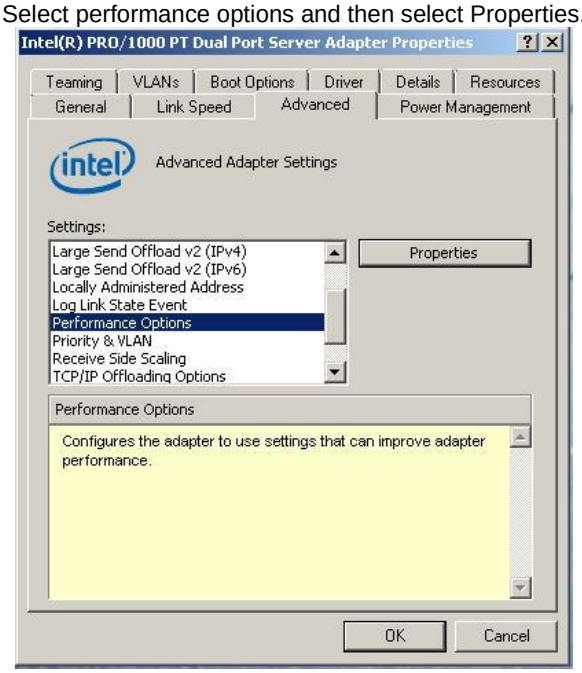
1. For the performance settings, change the following parameters:
   - Receive Buffers to 1024
   - Transmit Buffers to 1024

2. Disable the windows firewall.

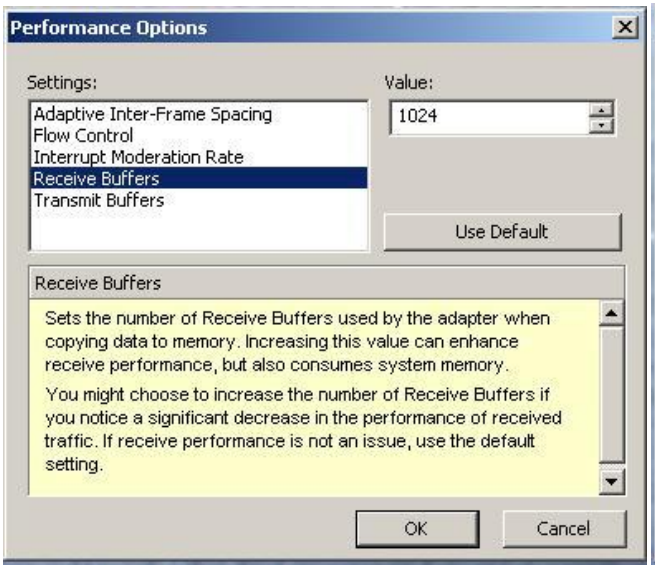
To set the Intel NIC Receive / Transmit buffers:
Go to device manager and select each instance of the network adapter device which will be used for ISIS connectivity.



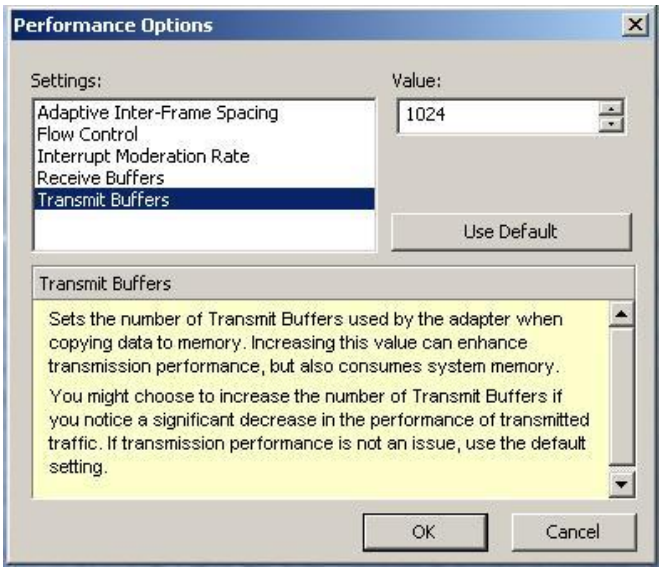
Select performance options and then select Properties.



Set Receive Buffers to 1024


Performance Options
Settings:
Value:
Adaptive Inter-Frame Spacing
Flow Control
Interrupt Moderation Rate
Receive Buffers
Transmit Buffers
1024
Use Default
Receive Buffers
Sets the number of Receive Buffers used by the adapter when copying data to memory. Increasing this value can enhance receive performance, but also consumes system memory.
You might choose to increase the number of Receive Buffers if you notice a significant decrease in the performance of received traffic. If receive performance is not an issue, use the default setting.
OK
Cancel

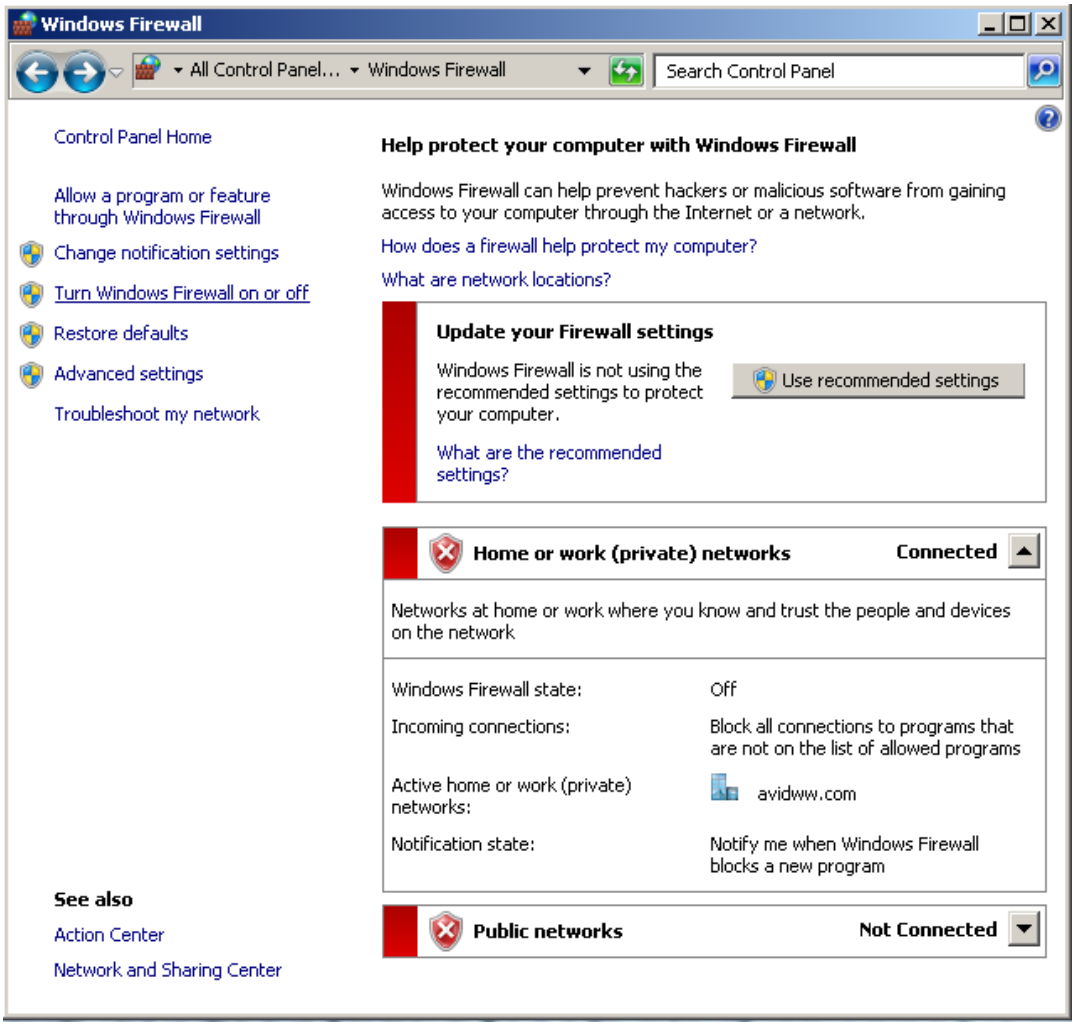
Set Transmit Buffers to 1024


Performance Options
Settings:
Value:
Adaptive Inter-Frame Spacing
Flow Control
Interrupt Moderation Rate
Receive Buffers
Transmit Buffers
1024
Use Default
Transmit Buffers
Sets the number of Transmit Buffers used by the adapter when copying data to memory. Increasing this value can enhance transmission performance, but also consumes system memory.
You might choose to increase the number of Transmit Buffers if you notice a significant decrease in the performance of transmitted traffic. If transmission performance is not an issue, use the default setting.
OK
Cancel

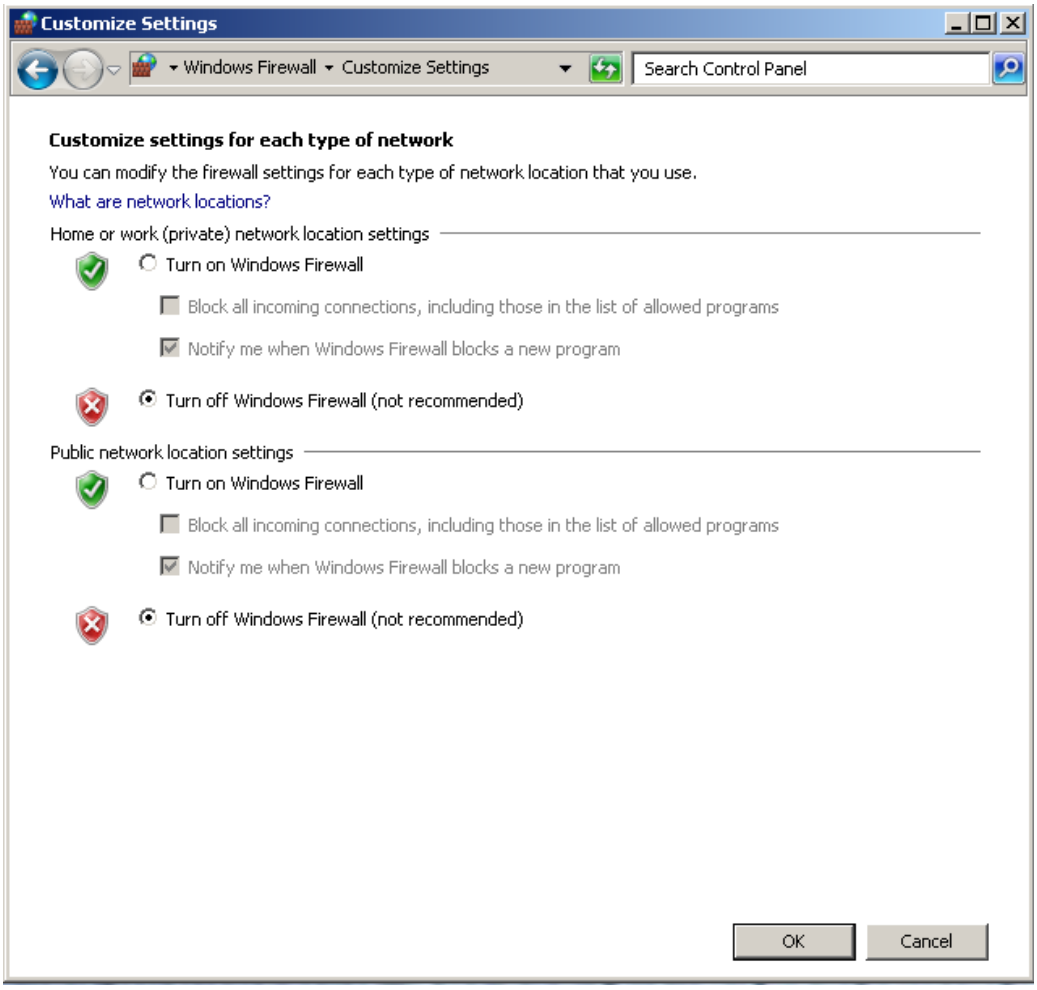
Perform this for each instance of every Intel NIC port which will be used for ISIS connectivity.

I.) Disable the windows firewall:

Navigate to Control Panel / Windows Firewall -- Select Turn Windows Firewall on or off


Windows Firewall
All Control Panel... ▸ Windows Firewall
Search Control Panel
Control Panel Home
Allow a program or feature through Windows Firewall
Change notification settings
Turn Windows Firewall on or off
Restore defaults
Advanced settings
Troubleshoot my network
Help protect your computer with Windows Firewall
Windows Firewall can help prevent hackers or malicious software from gaining access to your computer through the Internet or a network.
How does a firewall help protect my computer?
What are network locations?
Update your Firewall settings
Windows Firewall is not using the recommended settings to protect your computer.
Use recommended settings
What are the recommended settings?
Home or work (private) networks
Connected
Networks at home or work where you know and trust the people and devices on the network
Windows Firewall state:
Off
Incoming connections:
Block all connections to programs that are not on the list of allowed programs
Active home or work (private) networks:
avidww.com
Notification state:
Notify me when Windows Firewall blocks a new program
See also
Action Center
Network and Sharing Center
Public networks
Not Connected

Select Turn off windows firewall in both network locations, OK to save


Customize Settings
Windows Firewall ▸ Customize Settings
Search Control Panel
Customize settings for each type of network
You can modify the firewall settings for each type of network location that you use.
What are network locations?
Home or work (private) network location settings
Turn on Windows Firewall
Block all incoming connections, including those in the list of allowed programs
Notify me when Windows Firewall blocks a new program
Turn off Windows Firewall (not recommended)
Public network location settings
Turn on Windows Firewall
Block all incoming connections, including those in the list of allowed programs
Notify me when Windows Firewall blocks a new program
Turn off Windows Firewall (not recommended)
OK
Cancel

Revision Update

Revision	Date	Name	Update
A	Sept 20th, 2012	Joe Conforti	Initial release of the Z420 configuration guide for support of Media Composer 6.x, Symphony 6.x and NewsCutter 10.x
B	May 2nd , 2013	Joe Conforti	Added support for Nvidia K2000 GPU, Nvidia driver ver 310.90, changed KB link for system BIOS info, added supported system BIOS versions, Disable NUMA in BIOS, misc. corrections
C	Jan 17th , 2013	Joe Conforti	Added Win8 support, Professional and Enterprise Added support for V2 6-core 3.%GHz CPU Utilization of embedded NIC ports for ISIS has changed with the V2 CPU's, detailed information added for ISIS connectivity. Added support for Nvidia drivers ver 320.78 and 331.65. Ver 331.65 is mandatory for Win 8.1 Simplified required Nvidia settings
D	August 8th, 2014	Joe Conforti	Added support for HP Thunderbolt-2 HBA, HP Z Turbo Solid State PCIe drive, and Myricom Dual-Port 10Gb PCIE2-8B2-2S HBA